OHIO DEPARTMENT OF NATURAL RESOURCES DIVISION OF RECLAMATION

ATTACHMENT 20 (SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

App	licant's Name <u>Am</u>	erican Energy (Corporation	Pc	nd # <u>13</u>	
Тур	e of impoundment _	Excavated	Permanent _	Tempor	ary <u>X</u>	
1.	POND DRAINAGE AREA	A DATA:				
	a) Drainage area b) Disturbed area c) Ave. land slop d) Hydrologic so e) Hydraulic lend f) Cover/condition	a 40.4 oe 25 il group C gth 5144	ft.	asture/Fair		
2.	DESIGN STORM CRITERIA:					
	a) Method:					
			ncluding comput various (see	ter programs: _ run sheets)	SEDCAD 4.0	
	b) Rainfall Amour	t/Peak Flow	Rainfal	ll,in. Peak	flow, cfs.	
	1) 10 year, 2) 25 year, 3) 50 year, (if perma 4) 100 year, (if 20/20	<pre>6 hour = nent) 6 hour =</pre>	3	.7	79.9 95.3	
З.	POND SIZE:					
	a) Dimensions: N/	A Excavated Po	ond			
	1) Dam height _ 2) Dam width _ 3) Dam length _	ft. 4 ft.(MIN) 5 ft. 6	Dam downstr Dam upstrea Core length	ream slope	* (MAX) * (MAX) ftft	
	b) Sediment storage volume $\underline{11.31}$ ac.ft. is provided below the $\underline{1083.7}$ foot elevation.					
	c) Stage/Area Dat	a:	Elevation ft.		Volume	
	1) Bottom of po 2) Streambed at 3) Principal sp 4) Exit Channel	upstream toe: illway inlet: Crest:	1073.0 N/A N/A 1083.7	0.78 N/A N/A 1.33	acft. 0 N/A N/A 11.31	
	5) Top of emban	kment:	1086.0	1.45	14.52	

	POND #13				
4.	PRINCIPAL SPILLWAY: N/A				
	a) Pipe length ft. b) Pipe diameter in.				
	c) Pipe slope %				
	d) Riser diameter in.				
	d) Riser diameter in. e) Riser height ft.				
	f) Type of pipe				
	g) Number of anti-seep collars ; spacing along pipe It.				
	g) Number of anti-seep collars; spacing along pipe ft. h) Does the design include a trash rack? Yes, No. i) Does the design include an anti-vortex device? Yes, No.				
5.	EMERGENCY SPILLWAY/EXIT CHANNEL:				
	a) Base width <u>12</u> ft.				
	b) Design flow depth 1.7 ft. Depth in level section 1.3 ft.				
	c) Exit slope 1.4 %				
	d) Exit velocity 3.7 fps				
	e) Channel lining <u>Vegetative Grass Mix</u> f) Side slopes 2:1				
,	g) Freeboard 1.7 ft.				
	h) Entrance slope 50.0 %				
	i) Length of level section 40 ft.				
6.	The minimum static factor of safety for this impoundment is1.5				
7.	Provide as an addendum to this attachment a detailed plan view or 2 cross				
•	sections of the impoundment.				
	CONTINUE				
8.	COMMENTS				
	A 6" diameter PVC pipe 130 feet long at a slope of 4.6 percent will be used to dewater the pond. The invert will be at the 1080 foot elevation				
9.	Is this an MSHA structure? Yes, X No. If "yes," provide the MSHA ID. number if one has been assigned .				
10.	If this is to be retained as a permanent impoundment, submit an addendum to this attachment demonstrating compliance with rule 1501:13-9-04(H) (2)				
	of the Administrative Code.				
11.	I hereby certify that this impoundment is designed to comply with the				
	applicable requirements of rule 1501:13-9-04 of the Administrative Code using current, prudent engineering practices.				
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	Signature Date				
	Signature Date 1				
	P.E. SEAL				
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